UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE
REGION I
970 BROAD STREET
NEWARK, NEW JERSEY 07102

201 645

MAY 18 1971

J. B. Henderson, Chief, Reactor Construction
Branch, Division of Compliance, HQ

METROPOLITAN EDISON COMPANY, THREE MILE ISLAND NO 1
DOCKET NO. 50-289

The enclosed report of the inspection of Metropolitan Edison Company's Three Mile Island Unit No. 1 construction site, conducted April 5 through 8, 1971, by Messrs. Hunnicutt, Howard, Tillou and Hayward, is forwarded for information.

Two apparent items of nonconformance were identified and a Construction Deficiency Notice forwarded to the licensee. The first nonconformance item was identified as a failure of the computer to fully route all cables contrary to the specification and the second item was related to the separation of redundant motor control centers.

The core flooding tanks originally fabricated for installation in Unit No. 1 have been rejected due to failure to meet the NDTT requirements for unrestricted service at $\leq 40^{\circ}F$ and $60^{\circ}F$ as required in the FSAR.

One core sample has been compression tested and one core sample tensile pulled in an effort to establish the concrete strength and bonding along the joint between cured concrete and concrete poured when the measured surface temperature of the surfaces to be in contact with the newly placed concrete was below $32^{\circ}F$. The compression cylinder failed at 4050 psi after nine weeks. The specified strength is 5000 psi in twenty-eight days. Met Ed does not intend to perform additional testing at this time.

E. M. Howard
Senior Reactor Inspector

Enclosure:
CO Report No. 289/71-2, by D. Hunnicutt, J. Tillou, W. Hayward, and E. Howard, dated 4/29/71

cc: E. G. Case, DRS (3)
P. A. Morris, DRL
R. S. Boyd, DRL (2)
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Regional Directors, CO
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U. S. ATOMIC ENERGY COMMISSION
REGION I
DIVISION OF COMPLIANCE

Report of Inspection

CO Report No. 289/71-2

Licensee: Metropolitan Edison Company (Met. Ed.)
Three Mile Island Unit No. 1
License No. CPPR-40
Category A

Date of Inspection: April 5 - 8, 1971

Date of Previous Inspection: January 18 and 19, 1971

Inspected by: J. H. Tillou (for) 4-29-71
D. M. Hunnicutt, Reactor Inspector (Principal) Date

E. M. Howard 4-29-71
E. M. Howard, Senior Reactor Inspector Date

J. H. Tillou 4-29-71
J. H. Tillou, Reactor Inspector (Construction) Date

Wm. M. Hayward 2 April 71
W. M. Hayward, Reactor Inspector (Construction) Date

Reviewed by: E. M. Howard 4-29-71
E. M. Howard, Senior Reactor Inspector Date

Proprietary Information: None

SCOPE

A routine, unannounced inspection was made of Unit No. 1, one of the two 2535 Mwt pressurized water reactors (B&W) under construction on Three Mile Island, near Middletown, Pennsylvania. The inspecti
of the performance of the licensee-cont
PI 3800/2 and included an inspection of
Boundary Piping, Attachment G - Other C
tion, Attachment I - Electrical, and a
inspections.

DUPLICATE DOCUMENT

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